## Patent claims

- 1. Cage (1) having a plurality of cutouts (2) for receiving rolling bodies (3) of a joint (4), characterized in that the entire cage (1) has a substantially uniform ductility.
- 2. Cage (1) according to Claim 1, characterized in that the cage (1) has a hardness in the range from 500 to 650 HV.
  - 3. Cage (1) according to Claim 1 or 2, characterized in that the cage (1) comprises a quenched and tempered steel.

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- 4. Cage (1) according to one of the preceding claims, characterized in that the cage (1) comprises a steel with a carbon content in the range from 0.3% to 0.5%.
- 20 5. Cage (1) according to one of the preceding claims, characterized in that the cage (1) comprises a steel with at least boron as alloying element.
- 6. Process for producing a cage (1) having a plurality of cutouts (2) for receiving rolling bodies (3) of a joint (4), comprising at least the following steps:
  - forming a closed base body (5);
  - cutting out a plurality of cutouts (2);
- 30 fully hardening the cage (1);
  - tempering the cage (1).
- 7. Process according to Claim 6, characterized in that the step of fully hardening comprises at least one of the following means for heating the cage (1): inductive heating, heating by an energy beam, heating by means of a continuous furnace or chamber furnace.

- 8. Process according to Claim 6 or 7, characterized in that the tempering leads to a hardness of the cage (1) in the range from 500 to 650 HV.
- 5 9. Process according to one of Claims 6 to 8, characterized in that the tempering of the cage (1) is carried out at least by means of:
  - immersion in a warm liquid, or
- passage through at least one continuous furnace or 10 chamber furnace.
- 10. Joint (4) comprising an outer part (6), an inner part (7), a plurality of rolling bodies (3) and a cage (1), the cage (1) being designed as described in one of Claims 1 to 5 or produced by a process according to one of Claims 6 to 9.
- 11. Joint (4) according to Claim 10, characterized in that it provides an inclination angle (8) for a shaft 20 (9) of greater than 20°.
  - 12. Vehicle (10) comprising a joint (4) according to Claim 10 or 11.